



Sheet 1 of 2 Attorney Docket No. 50047/006003 U.S. DEPARTMENT OF COMMERCE SUBSTITUTE FORM PTO-1449 PATENT AND TRADEMARK OFFICE 10/040,722 Serial No. (MODIFIED) Nelson Ruiz-Opazo Applicant January 7, 2002 INFORMATION DISCLOSURE Filing Date STATEMENT BY APPLICANT (Use several sheets if necessary) 1635 Group January 31, 2003 IDS Filed (37 C.F.R. § 1.98(b))

(37 C.F.R. § 1	.98(b))		TO THE HOLE OF THE PROPERTY APPLICATION					
			U.S. PATENTS					
		0.4:	Patentee	Class	Subclass	Filing Date (If Appropriate)		
Examiner's	Patent Number	Issue Date						
Initials	TO THE PROPERTY OF THE PROPERTY APPLICATION							
	FORE	EIGN PATENT (OR PUBLISHED LOKE OF THE	T		290		
		<u> </u>	LUDING AUTHOR, TITLE, DATE, PLAC	CE OF PU	BLICATION)			
	OTUED DOC	LIMENTS (INCL	JUDING AUTHOR, THE ET					

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Canessa et al., "The α1 Na(+)-K+ Pump of the Dahl Salt-Sensitive Rat Exhibits Altered Na⁺ Modulation of K⁺

Transport in Red Blood Cells," J. Membr. Biol 134: 107-122, 1993.

DM	Transport in Red Blood Cells, 3. Membre 21
1	Clark et al., "Quantitative Trait Loci in Genetically Hypertensive Rats. Possible Sex Specificity," <i>Hypertension</i>
1	28: 898-906, 1996.
-	Dallner, "Isolation of Rough and Smooth Microsomes – General," In Methods in Enzymology, Vol. XXXI, 5. Dallner, "Isolation of Rough and Smooth Microsomes – General," In Methods in Enzymology, Vol. XXXI, 5.
	Pleischer and L. Packer, eurors. Neuts. Deng et al., "Mapping of a Quantitative Trait Locus for Blood Pressure on Rat Chromosome 2," J. Clin. Invest.
	Deng et al., "Mapping of a Quantitative states" 94: 431-436, 1994.
	94: 431-436, 1994. de Wardener, H.E., "The Primary Role of the Kidney and Salt Intake in the Aetiology of Essential Hypertension, Part II, Clin. Sci. 79: 289-297, 1990.
-	Dubay, C. et al., "Genetic Determinants of Diastolic and Pulse Pressure Map to Different Loci in Lyon Hypertensive Rats," <i>Nat. Genet.</i> 3: 354-357, 1993.
Dr.	074.1493 1996
	Goldman. "High Anxiety," <i>Science 214</i> . 1465, 1556. Herrera and Ruiz Opazo. "Alteration of α1 Na+,K(+)-ATPase 86Rb+ Influx by a Single Amino Acid Substitution <i>Science</i> 249: 1023-1026, 1990.
	Science 249: 1023-1026, 1990. Herrera and Ruiz-Opazo "Beyond Genetic Markers: Hypertension Genes," J. Hypertension 12: 847-856, 1994.
	Herrera et al., "Developmental Cell-Specific Regulation of Na(+)-K(+)-ATPase α1-, α2-, and α5 losses g
	A Caractic Linkage Man of the Laboratory Rat, Rattus Norvegicus," Nat. Geriet. 9, 60-65, 1995
	Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and Kruglyak, "Genetic Dissection of Complex Traits: Guidelines for Interpreting and Reporting Linkage Lander and
BW	Results." <i>Nat. Genet.</i> 11. 241 241; Senet. 11. 241 241; Senet. 14. 241 241; Senet. 14

Regulatory Region," Science 274: 1527-1531, 1996. DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

KOEEN			Sheet 2 c	of 2			
	ORM PTO-1449 U.S. DEPARTMENT OF COMMER	CE Attorney Docket No.	50047/006003				
SSTITUTE F ODIFIED)	ORM PTO-1449 U.S. DEPARTMENT OF COMMERC PATENT AND TRADEMARK OFFI	CE Serial No.	10/040,722	l			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant	Nelson Ruiz-Opazo				
		Filing Date	January 7, 2002	TECH CENTER 1600/2900			
		Group	1635				
		IDS Filed	January 31, 2003				
C.F.R. § 1.	OTHER DOCUMENTS (INCLUDING AUTHOR, TIT	LE. DATE, PLACE OF PUB	LICATION)	CEN			
	OTHER DOCUMENTS (INCLUDING ACTION,	of Salt Sensitive Dahl/Rapp	Rats," Hypertension 24:	131			
$_{ m l} \sim$	Lewis et al., "Analysis of the Genetic Contamination of Salt-Sensitive Dahl/Rapp Rats," <i>Hypertension</i> 24: 255-259, 1994.						
	Orosz and Hopfer, "Pathophysiologic Consequences of Changes in the Coupling Ratio of Na,K-ATPase for Renal Sodium Reabsorption and its Implications for Hypertension," <i>Hypertension</i> 27: 219-227, 1996.						
 	Renal Sodium Reabsorption and to the Raij et al., "Mesangial Immune Injury, Hypertension, and Progressive Glomerular Damage in Dahl F Kidney Int. 26: 137-143, 1984.						
bn 1	Rapp and Dene, "Development and Characteristics of Inbred Strains of Dahl Salt-Sensitive and Salt-Resistant Rats," <i>Hypertension</i> 7: 340-349, 1985.						
$\frac{v_{\mathcal{L}}}{v_{\mathcal{L}}}$	Ruiz-Opazo et al., "Confirmation of Mutant α1 Na,K-/ Rats," <i>Hypertension</i> 24: 260-270, 1994.						
<u> </u>	Ruiz-Opazo et al , "Characterization of a Sodium-Re 191-198, 1997.						
	Ruiz-Opazo et al, "Pressure-Overload Deinduction of Rats," Hypertension 29: 606-612, 1997.						
$\overline{b_{\mathcal{N}}}$	Samani et al., "Analysis of Quantitative Trait Loci for Blood Pressure on Rat Chromosomes 2 and 13. Age Related Differences in Effect," <i>Hypertension</i> 28: 1118-1122, 1996.						
	Shull et al., "Molecular Cloning of Three Distinct Forms of the Na+, K+-ATPase α-Subunit From Rat Brain," Biochemistry 25 8125-8132, 1986.						
	Simonet et al., "Sequence Analysis of the α1 Na+, K+-ATPase Gene in the Dahl Salt-Sensitive Rat," Hypertension 18: 689-693, 1991.						
DW	St. Lezin et al., "Genetic Contamination of Dahl SS Hypertension 23: 786-790, 1994.			nsion			
	Print Story	ATE CONSIDERED 3/)	/ 07				

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.